



EC-Type Examination Certificate

- (1)
(2) **Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

(3) EC-Type Examination Certificate Number:

FTZÚ 02 ATEX 0106X

- (4) Equipment or protective system: **Actuating motor, type MOK P600 EEx 52322.xxxx**
- (5) Manufacturer: **ZPA Pečky a.s.**
- (6) Address: **Tř. 5. května 166, 289 11 Pečky, Czech Republic**
- (7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°


02/0106 dated 21 June 2002

- (9) Compliance with Essential Health and safety requirements has been assured by compliance with:
EN 50014:1997 +A1,A2, EN 50018:2000
- (10) If the sign „X“ is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include following:

 **II 2G EEx d IIC T6**

This EC-Type Examination Certificate is valid till: 30. 06. 2007

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 25.06. 2002

Number of pages: 1/3

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) EC-Type Examination Certificate N° FTZÚ 02 ATEX 0106X

(15) Description of Equipment:

The actuating motor is single-speed motor with constant pre-set rotation speed of output part. It is intended for control of fittings. Power and control parts of actuating motor is inside of common aluminium alloy housing (Mg < 1%), which forms a one flameproof enclosure (d). Alternatively, the actuating motor is equipped with local control. The switches of local control are positioned in separate compartment, which forms also flameproof enclosure. Connection of local control and power part of actuating motor is carried out by single-purpose multi-conductor bushing. The power part consists of electrical motor, spur and planetary gear and worm gear of manual control. The control part consists of signalling and positioning switch unit with position transmitter, torque switch unit and/or electronic regulator. Cable entries of external circuits in flameproof enclosure provide Ex cable glands (EEx d IIC).

Essential technical data:

Type/variants:									
MOK P600 EEx 52 322.	xx1x	xx2x	xx3x	xx4x	xx5x	xx6x	xx7x	xx8x	xx9x
Switch off torque [N m]	250-510	250-600	250-600	250-600	250-600	250-450	250-550	250-600	250-600
Adjustment time [s] / 90°	10	20	40	80	160	20	40	80	160
Electrical motor output [W]	180	120	60	20	20	180	90	40	40
Supply:	3 x 400 V					1 x 230 V			

(16) Report No.: 02/0106 (39 pages, 6 annexes)

(17) Special conditions for safe use: There are not defined.

The actuating motor is designed for special range of ambient temperature: -25 °C < Ta < + 55 °C

(18) Essential Health and Safety Requirements: They are included in standards, which are mentioned in clause (9) 1 of this certificate. The product was approved in accordance with above-mentioned standards and manufacturer instruction for use.

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 25.06. 2002

Number of pages: 2/3

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Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 02 ATEX 0106X**

(19)

LIST OF DOCUMENTATION

- Approval Drawing No.: 29050246/C 18. 12. 2000
- Annex to the approval drawing No. 52322 10. 04. 2002
- Instruction for use 25. 01. 2001
- Technical specification No. TP 32 – 01 / 00, 24 pages 25. 01. 2000
- Technical description of motor No. 52 322.xxxx 17. 05. 2000
- Drawing No. 21464503 27. 11. 2001
- Drawing No. 23464443 14. 09. 2001



Supplement No. 1 to EC-Type Examination Certificate

Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

(3) Type Examination Certificate Number:

FTZÚ 02 ATEX 0106X

(4) Equipment: **Actuating motor, type MOKP 600 EEx 52322.xxxx**

(5) Manufacturer: **ZPA Pečky a.s.**

(6) Address: **Tř. 5. května 166, 289 11 Pečky, Czech Republic**

(7) This supplement of certificate is valid for prolongation of validity, for modification of certified product and modification of product marking.

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirement, which manufacturer shall fulfil before products are placed on market or introduced in service.

(10) Safety requirements of modified parts were fulfilled by satisfying of following standards:

EN 60079-0:2006; EN 60079-1:2004; EN 50281-1-1:1998

(11) Marking of equipment designed according to this supplement shall contain symbols:



II 2GD

Ex d IIC T6 IP67 T80°C

- 25°C ≤ Ta ≤ 55°C

II 2GD

Ex d IIB T6 IP67 T80°C

- 50°C ≤ Ta ≤ 55°C

(12) This type examination certificate is valid till: **31. 07. 2012**

Responsible person:

Ing. Šindler Jaroslav
Head of certification body



Date of issue: **30. 07. 2007**

Number of pages: 2
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Physical Technical Testing Institute
Ostrava-Radvanice

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Schedule

(14)

Supplement N° 1 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0106X

(15) Description of Equipment:

The supplement prolongs validity of certificate and verifies modified product variant that is designed for ambient temperature from -50°C to +55°C. The construction of flameproof enclosure is identical. For above given ambient temperature range the gas group was change from IIC to IIB. There were made changes in materials used for ensuring the degree of protection provided by enclosure and cement material in bushes. The essential technical data are identical with certified type. The actuating motors designed for ambient temperature from -50°C to +55°C has in type marking additional symbol -letter F. The basic type marking of all other product variants is modified to **MOKP 600 Ex, t.č. 52322.xxxx**

(16) Report No.: Supplement No. 1 to report 02/0160 (39 pages, 8 annexes).

(17) Special conditions for safe use:

The supplementary marking by symbol X is replaced by marking of special ambient temperature range on apparatus.

(18) Essential Health and Safety Requirements:

They are included in standards, which are mentioned in clause (10) of this certificate supplement. The product was approved in accordance with above mentioned standards and manufacturer instruction.

(19) List of documentation:

Approval assembly No. 29050246/C-a	27. 04. 2007
Drawing No č. 21464503a	27. 02. 2007
Supplement No. 1 TP 32-01/00	03/2007
Technical description No 52322	14. 05. 2007
Instruction, MODACT MOKP 600 Ex t.č. 52 322, issue 2006	verified on: 16. 05. 2007

Responsible person:

Ing. Šindler Jaroslav
Head of certification body



Date of issue: 30. 07. 2007

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